

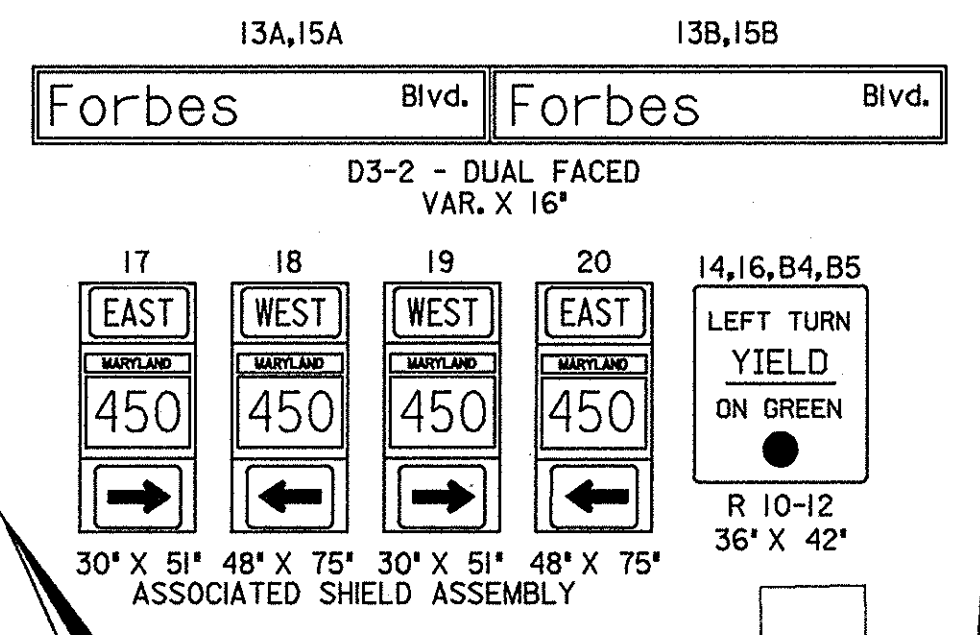
CONSTRUCTION DETAILS

- PHASE IV
- A. USE EXISTING BASE MOUNTED CABINET/CONTROLLER.
 - B. USE EXISTING CONDUIT.
 - C. USE EXISTING STRAIN POLE.
 - D. INSTALL HANDHOLE.
 - E. INSTALL 1 IN. LIQUID TIGHT, NON-METALLIC CONDUIT FOR LOOP DETECTOR SLEEVE.
 - F. INSTALL 2 IN. POLYVINYL CHLORIDE (SCH.40) ELECTRICAL CONDUIT-TRENCHED.
 - G. INSTALL 2 IN. POLYVINYL CHLORIDE (SCH.80) ELECTRICAL CONDUIT-TRENCHED. (SEE NOTE 1)
 - H. USE EXISTING HANDHOLE.
 - I. INSTALL 1 IN. GALVANIZED STEEL CONDUIT FOR LOOP DETECTOR SLEEVE.
 - J. USE EXISTING HANDHOLE SPLICE EXISTING 2 CONDUCTOR ALUMINUM SHIELDED CABLE TO NEW LOOP WIRE.
 - K. INSTALL 6 FT. X 6 FT. VEHICLE LOOP DETECTOR (3 TURNS) ENCASED IN FLEXIBLE TUBING.
 - L. EXISTING CONDUIT OR HANDHOLE TO REMAIN

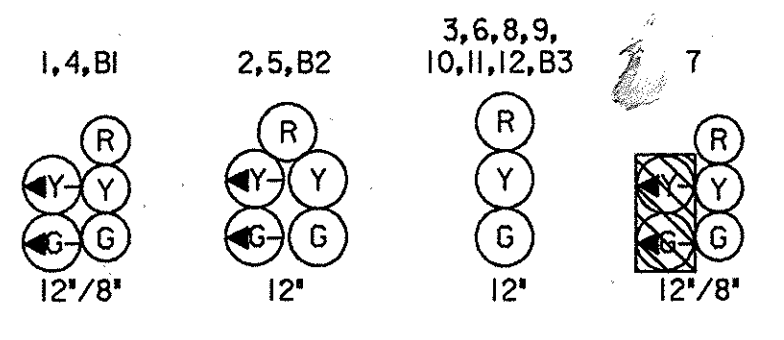
- M. INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE VEHICLE LOOP DETECTOR (2 4 2 TURNS) ENCASED IN FLEXIBLE TUBING.
- N. USE EXISTING SPAN WIRE. INSTALL VEHICLE SIGNAL HEADS AND SIGN. REMOVE EXISTING VEHICLE SIGNAL HEADS, BAG EXISTING VEHICLE SIGNAL HEAD AND SIGN AND RELOCATE EXISTING SIGN. (NOTE: TETHER 5-SECTION VEHICLE SIGNAL HEADS AND PROVIDE APPROXIMATELY 50 FT. OF ADDITIONAL ELECTRICAL CABLE FOR EACH SIGNAL HEAD FOR USE DURING ROADWAY CONSTRUCTION PHASING/STAGING.)
- O. REMOVE EXISTING HANDHOLE.
- P. CAP AND ABANDON OR REMOVE EXISTING CONDUIT.
- Q. USE EXISTING SPAN WIRE. INSTALL VEHICLE SIGNAL HEADS AND SIGN, UNBAG EXISTING VEHICLE SIGNAL HEAD, RELOCATE EXISTING VEHICLE SIGNAL HEAD AND SIGN, REMOVE EXISTING VEHICLE SIGNAL HEAD AND BAG EXISTING VEHICLE SIGNAL HEAD AND SIGN. (NOTE: TETHER 5-SECTION VEHICLE SIGNAL HEADS AND PROVIDE APPROXIMATELY 50 FT. OF ADDITIONAL ELECTRICAL CABLE FOR EACH SIGNAL HEAD FOR USE DURING ROADWAY CONSTRUCTION PHASING/STAGING.)
- R. USE EXISTING SPAN WIRE.
- S. INSTALL 24 IN. WHITE PREFORMED PAVEMENT MARKING FOR STOP LINE.
- T. ABANDON EXISTING VEHICLE DETECTOR.
- U. INSTALL 6 IN. WIDE YELLOW PAVEMENT MARKING TAPE - 2' LINE/6' GAP.

- V. INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE VEHICLE LOOP DETECTOR (2 4 2 TURNS) ENCASED IN FLEXIBLE TUBING.
- W. USE EXISTING SPAN WIRE. INSTALL VEHICLE SIGNAL HEADS AND SIGN. REMOVE EXISTING VEHICLE SIGNAL HEADS, BAG EXISTING VEHICLE SIGNAL HEAD AND SIGN AND RELOCATE EXISTING SIGN. (NOTE: TETHER 5-SECTION VEHICLE SIGNAL HEADS AND PROVIDE APPROXIMATELY 50 FT. OF ADDITIONAL ELECTRICAL CABLE FOR EACH SIGNAL HEAD FOR USE DURING ROADWAY CONSTRUCTION PHASING/STAGING.)
- X. REMOVE EXISTING HANDHOLE.
- Y. CAP AND ABANDON OR REMOVE EXISTING CONDUIT.
- Z. USE EXISTING SPAN WIRE. INSTALL VEHICLE SIGNAL HEADS AND SIGN, UNBAG EXISTING VEHICLE SIGNAL HEAD, RELOCATE EXISTING VEHICLE SIGNAL HEAD AND SIGN, REMOVE EXISTING VEHICLE SIGNAL HEAD AND BAG EXISTING VEHICLE SIGNAL HEAD AND SIGN. (NOTE: TETHER 5-SECTION VEHICLE SIGNAL HEADS AND PROVIDE APPROXIMATELY 50 FT. OF ADDITIONAL ELECTRICAL CABLE FOR EACH SIGNAL HEAD FOR USE DURING ROADWAY CONSTRUCTION PHASING/STAGING.)
- AA. USE EXISTING SPAN WIRE.
- AB. INSTALL 24 IN. WHITE PREFORMED PAVEMENT MARKING FOR STOP LINE.
- AC. ABANDON EXISTING VEHICLE DETECTOR.
- AD. INSTALL 6 IN. WIDE YELLOW PAVEMENT MARKING TAPE - 2' LINE/6' GAP.

SIGNS



SIGNALS



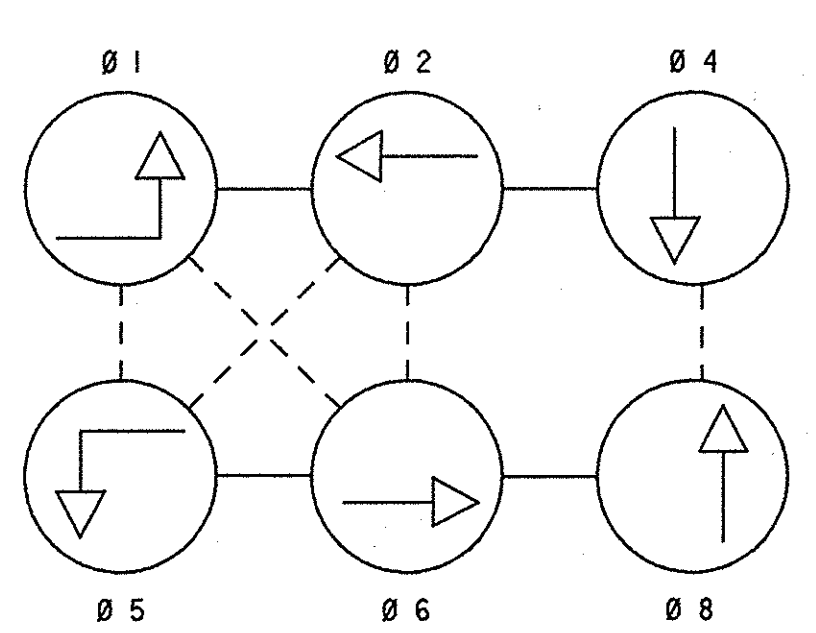
NOTE: SIGNALS 7,8,9,10,11,12 AND SIGNS 17-20 ARE EXISTING AND ARE TO REMAIN.

SIGNAL 1,2,4,5,6 AND SIGNS 14,16 ARE PROPOSED.

SIGNAL 3 AND SIGNS 13,15 ARE EXISTING AND ARE TO BE RELOCATED.

SIGNAL 3 SHALL BE UNBAGGED.

SIGNALS /SIGNS BI,B2,B3,B4,B5 ARE EXISTING AND SHALL REMAIN AND BE BAGGED.



PHASING NOTES

1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

GENERAL NOTES

- 1. THE CONDUIT TO BE INSTALLED ACROSS THE PROPOSED ROADWAY SHALL BE TRENCHED PRIOR TO PAVEMENT CONSTRUCTION.
- 2. DETECTORS SHALL BE INSTALLED PRIOR TO FINAL PAVEMENT SURFACE COURSE.
- 3. THE CONTRACTOR SHALL CONFIRM THE LOCATIONS OF THE PROPOSED GEOMETRICS PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
- 4. FOR THE LOCATION OF THE 'ARROW' AND 'ONLY' PAVEMENT MARKINGS AND SIGNS, SEE THE TRAFFIC CONTROL PLAN TCP-57.
- 5. ALL POLE AND CABINET FOUNDATIONS AND HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLES	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

TEMPORARY SIGNAL PHASE IV

DWG. NO. TS-5

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 450 (ANNAPOLIS ROAD) AT FORBES BLVD.

LOG MILE NO. 16045006.59 DATE 8 / - / 96

DRAWN BY: S. BLOSS	F.A.P. NO. N/A	PLAN SHEET NO.: TS-3600-X4-P	SHEET NO. 351 OF 465
CHECK BY: T. HANNAN	S.H.A. NO. N/A		
SCALE: 1"=20'	COUNTY: PRINCE GEORGES		

THE WILSON T. BALLARD CO.
CONSULTING ENGINEERS
OWINGS MILLS, MARYLAND

REVISIONS	APPROVALS
	ASST. DIVISION CHIEF, TEDD
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY
AUGUST 1996 - WTB MODIFY EXISTING SIGNAL SHA NO. PG9005171	
JDM	BEX